

**OPTIONAL SERVICE BULLETIN
NO. OSB 40-016/3
NO. OSB F4-002**

**SUPERSEDES OPTIONAL SERVICE BULLETIN
NO. OSB 40-016/2**

I. TECHNICAL DETAILS

1.1 Category

Optional.

1.2 Airplanes affected

DA 40	all serial numbers.
DA 40 D	all serial numbers.
DA 40 F	40.F001 and subsequent, and 40.FC001 and subsequent

1.3 Date of Effectivity

The initial issue of the Service Bulletin became effective on: 27-Feb-2003.
The revisions of the Service Bulletin do not change the effectivity date.

1.4 Time of Compliance

At owner's discretion.

1.5 Subject

Speed Kit, landing gear.

ATA-Code: 32-00

1.6 Reason

A Speed Kit can be installed in order to reduce air drag.

1.7 Concurrent documents

None.

1.8 Approval

The technical information or instructions contained in this document relate to the Design Change Advisories no. OÄM 40-105 and OÄM 40-106 which have been approved under the authority of JAA Design Organization Approval No. MOT JA-01.

The technical information contained in this document has been approved under the authority of EASA Design Organization Approval No. EASA.21J.052.

1.9 Accomplishment/Instructions

The Speed Kit must be installed in accordance with the Airplane Maintenance Manual, Doc. No. 6.02.01, Revision 4 or later.

1.10 Mass (Weight) and CG

Not affected.

II. PLANNING INFORMATION

2.1 Material & Availability

NOTE: Part numbers in parenthesis must be used when ordering parts at Diamond Aircraft in North America.

<u>Qty</u>	<u>Description</u>	<u>Part Number</u>
1	Main landing gear brake unit fairing LH	60.0981 (DA4-3219-25-00)
1	Main landing gear brake unit fairing RH	60.0983 (DA4-3219-26-00)
1	Main landing gear speed fairing LH	60.0961 (DA4-3219-27-00)
1	Main landing gear speed fairing RH	60.0963 (DA4-3219-28-00)
1	Main landing gear fairing LH	60.0971 (DA4-3219-21-00)
1	Main landing gear fairing RH	60.0973 (DA4-3219-22-00)
1	Nose landing gear strut fairing	60.2001 (DA4-3229-29-00)
1	Main landing gear strut fairing LH	60.0991 (DA4-3219-23-00)
1	Main landing gear strut fairing RH	60.0993 (DA4-3219-24-00)
1	Nose landing gear mounting bracket	60.1500 (DA4-3229-30-01)
9 m (29.5 ft)	Rubber 9x6 mm	21.0900 (02506/2)
6	Safety nut with Polyamid	10.6560 (DIN 985-M5-A2)
6	Washer	10.7190 (DIN 9021-A2)
32	Polyamid washer	10.8935 (DIN 125A-M5-PA)

32	Rounded head screw	10.2452 (ISO 7380-M5x16-A2)
10	Hexagon bolt	10.0210 (DIN 933-M6x16-YZP)
24	Washer	10.7530 (DIN 9021-M6-ZP)
4	Rounded head screw	10.4300 (DIN 985-M3x10-ZP)
4	Polyamid washer	11.1985 (DIN 125A-M3-PA)
8	Nut	10.6559 (DIN 985-M4-A2)
8	Washer	10.7110 (DIN 9021-M4-A2)
8	Rounded head screw	10.2458 (ISO 7380-M4x12-A2)
0.15 m (5.9 in)	Rubber, soft	21.0490

All parts can be ordered from Diamond Aircraft Industries GmbH or from your local General Distributor or Diamond Service Center.

2.2 Special Tools

No special tools are required.

2.3 Labor effort

4.5 hours.

2.4 Credit

None.

2.4 Reference documents

Diamond Aircraft DA 40 Series Airplane Maintenance Manual, Doc. No. 6.02.01, Revision 4 or later.

III. REMARKS

1. The work must be carried out by the manufacturer, a certified aircraft service station or a certified aircraft maintenance mechanic.
2. Accomplishment of the measures must be confirmed in the log book.
3. In case of doubt, contact Diamond Aircraft.